

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021681.D
 Acq On : 31 Mar 2021 13:48
 Operator : JC/MD
 Sample : M1842-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D2-20210324

Quant Time: Apr 01 03:24:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

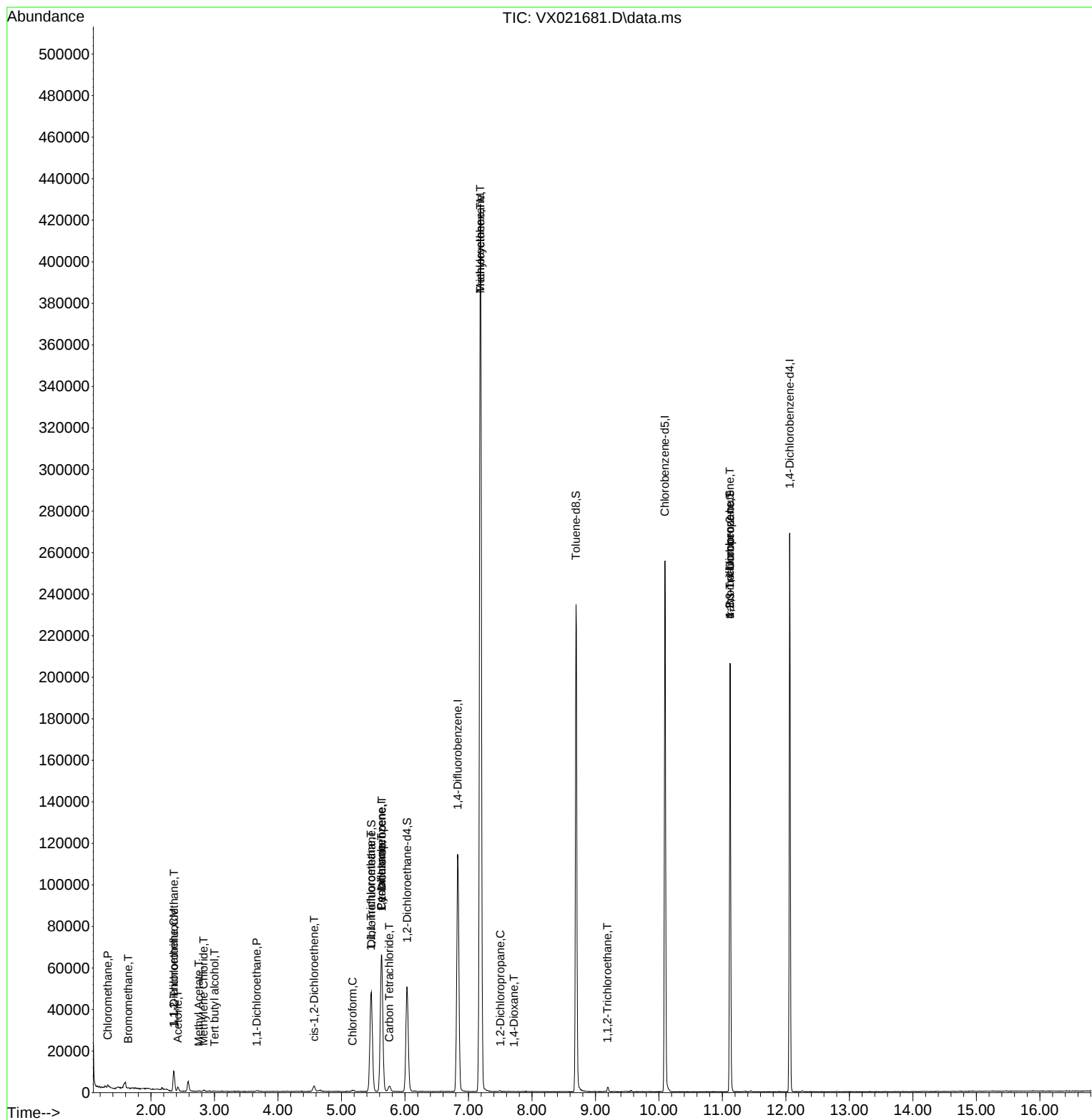
Internal Standards						
1) Pentafluorobenzene	5.629	168	58274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	109942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	49737	51.30	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.60%	
35) Dibromofluoromethane	5.470	113	39217	51.40	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.80%	
50) Toluene-d8	8.694	98	134866	49.60	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.20%	
62) 4-Bromofluorobenzene	11.118	95	54839	51.88	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.76%	
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	1417	1.96	ug/l	96
5) Bromomethane	1.640	94	92	0.35	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.364	101	1823	3.04	ug/l	96
11) Tert butyl alcohol	2.999	59	187	1.17	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	1866	3.18	ug/l	94
16) Acetone	2.423	43	1993	5.44	ug/l #	84
18) Methyl Acetate	2.752	43	298	0.28	ug/l #	47
20) Methylene Chloride	2.829	84	247	0.35	ug/l #	84
24) 1,1-Dichloroethane	3.664	63	668	0.54	ug/l #	81
27) cis-1,2-Dichloroethene	4.570	96	1462	1.95	ug/l	93
30) Chloroform	5.176	83	832	0.63	ug/l	98
31) Cyclohexane	5.629	56	1483	1.39	ug/l #	51
32) 1,1,1-Trichloroethane	5.464	97	262	0.22	ug/l #	24
36) 1,1-Dichloropropene	5.635	75	5187	4.93	ug/l #	48
38) Carbon Tetrachloride	5.753	117	2219	1.96	ug/l	92
39) Methylcyclohexane	7.188	83	2076	1.78	ug/l #	1
44) Trichloroethene	7.188	130	150147	190.37	ug/l	92
45) 1,2-Dichloropropane	7.500	63	187	0.23	ug/l #	43
49) 1,4-Dioxane	7.718	88	19	1.01	ug/l #	24
55) 1,1,2-Trichloroethane	9.188	97	523	0.67	ug/l #	90
76) 1,2,3-Trichloropropane	11.118	75	30591	27.41	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30591	83.48	ug/l #	12

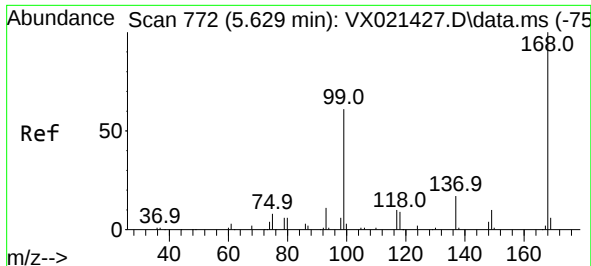
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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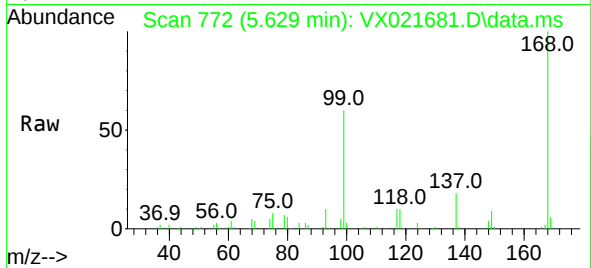
Quant Time: Apr 01 03:24:29 2021
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QLast Update : Wed Mar 24 12:25:26 2021
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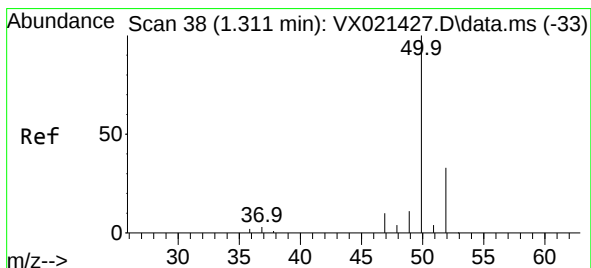
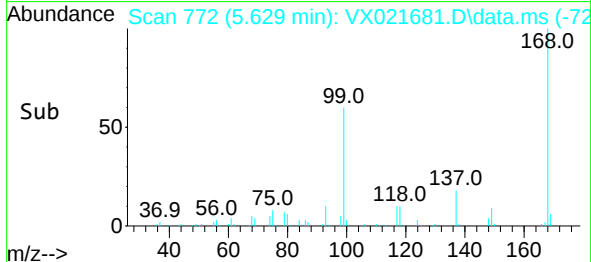
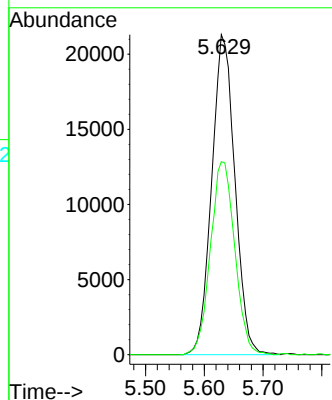


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.000 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324

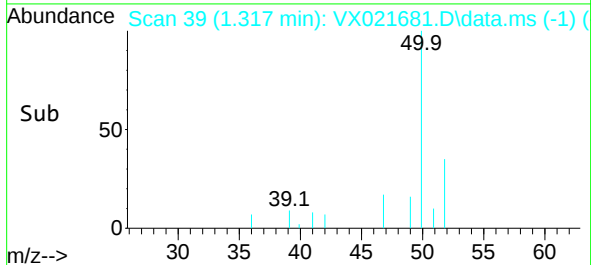
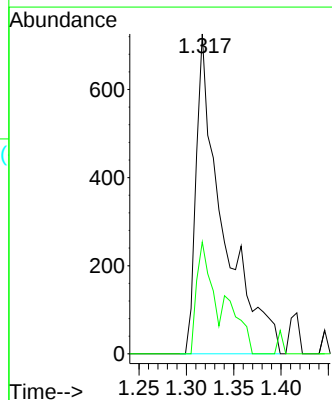
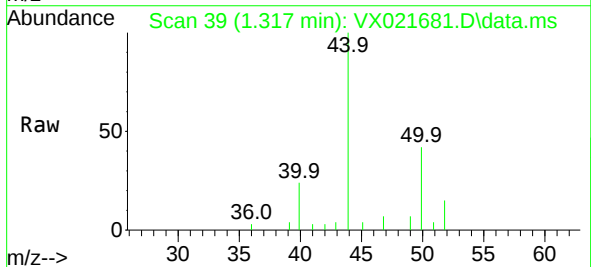


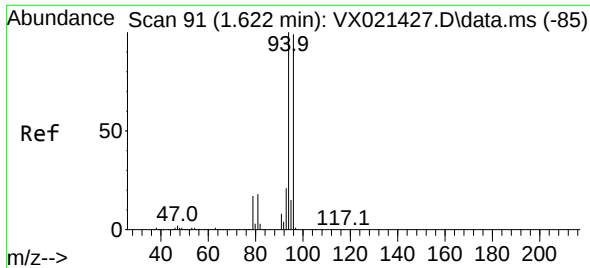
Tgt Ion:168 Resp: 58274
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#3
Chloromethane
Concen: 1.96 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Tgt Ion: 50 Resp: 1417
Ion Ratio Lower Upper
50 100
52 35.0 26.4 39.6

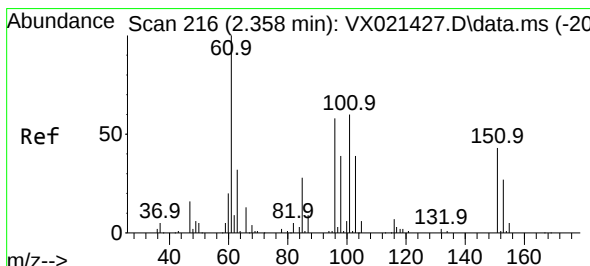
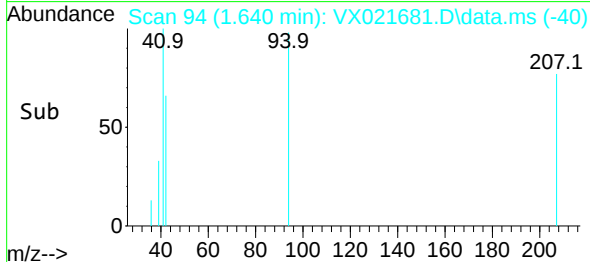
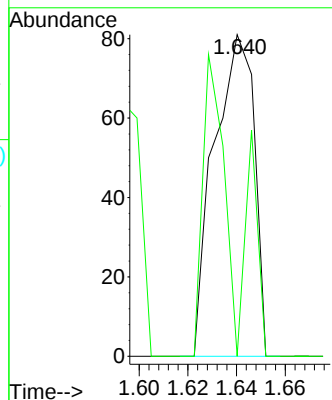
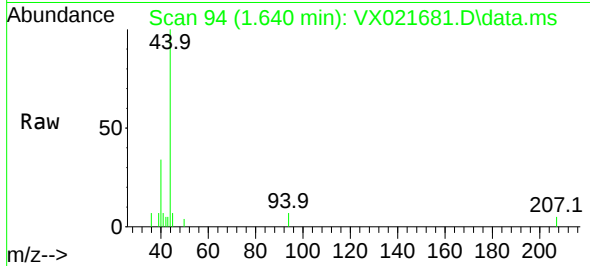




#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.640 min Scan# 94
Delta R.T. 0.018 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

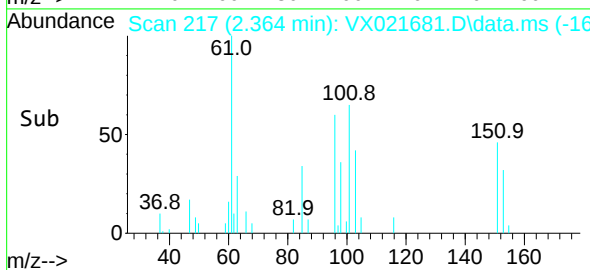
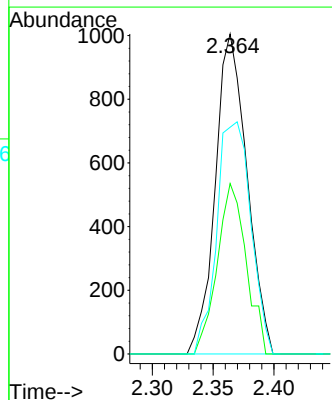
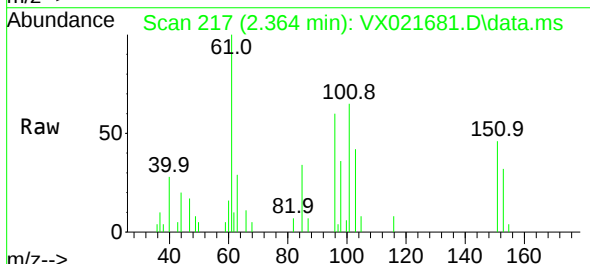
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324

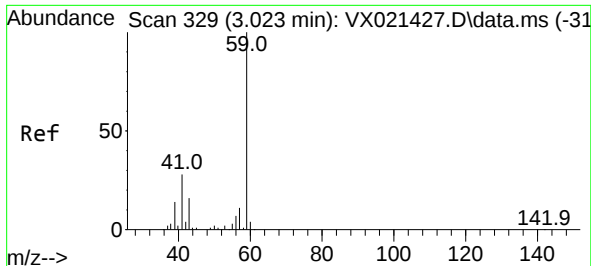
Tgt Ion: 94 Resp: 92
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.04 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Tgt Ion: 101 Resp: 1823
Ion Ratio Lower Upper
101 100
85 48.5 34.9 52.3
151 78.0 61.4 92.2

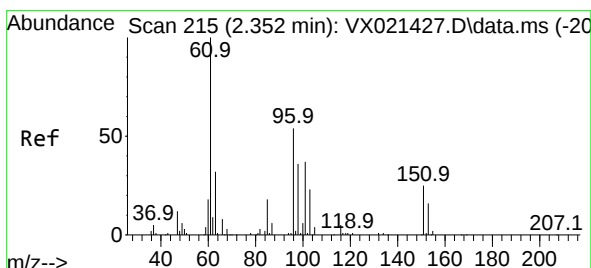
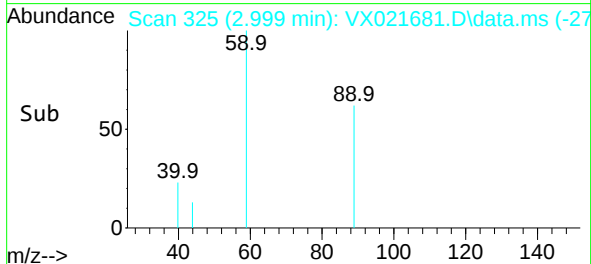
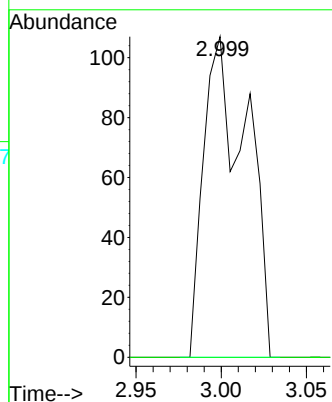
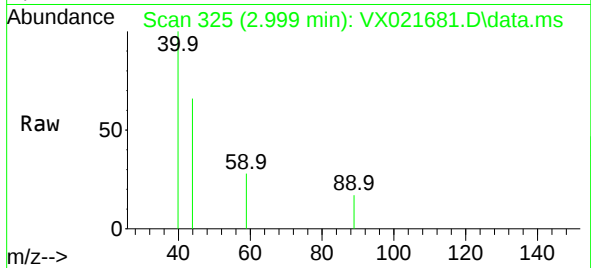




#11
Tert butyl alcohol
Concen: 1.17 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.024 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

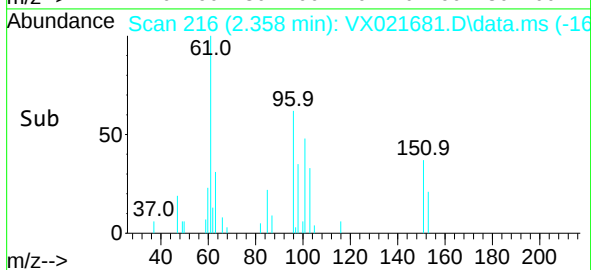
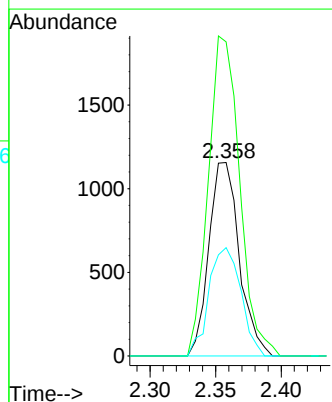
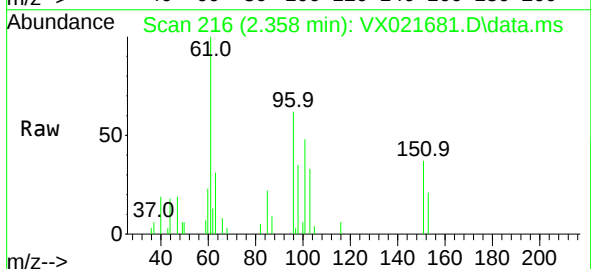
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324

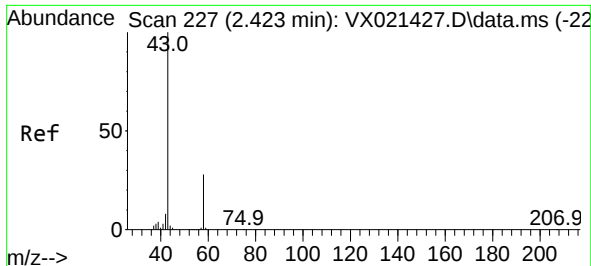
Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 3.18 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Tgt Ion: 96 Resp: 1866
Ion Ratio Lower Upper
96 100
61 162.3 124.6 187.0
98 56.0 50.6 76.0

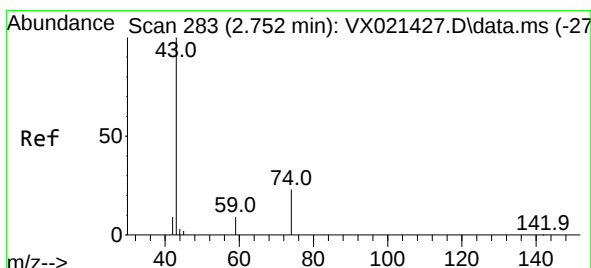
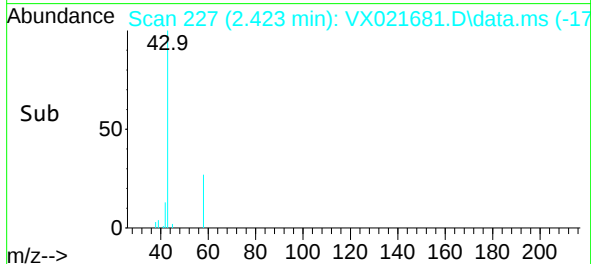
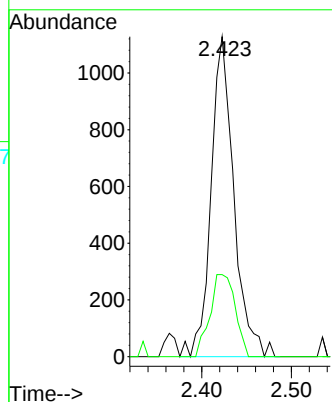
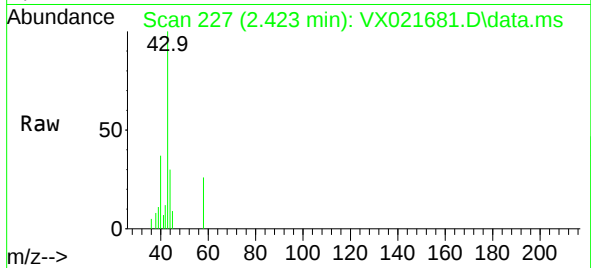




#16
Acetone
Concen: 5.44 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

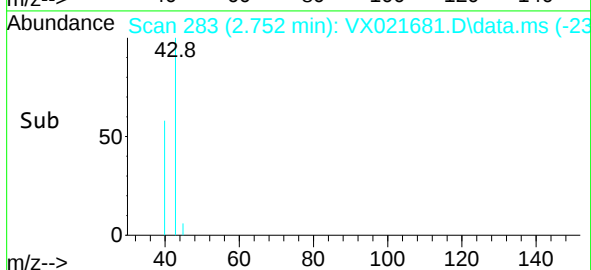
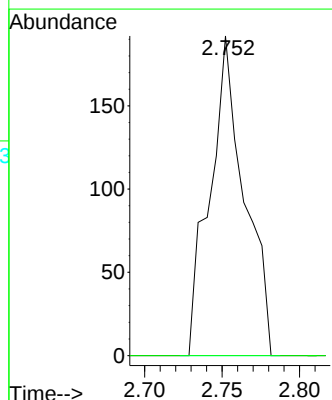
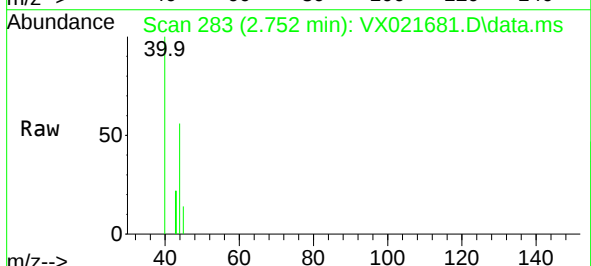
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324

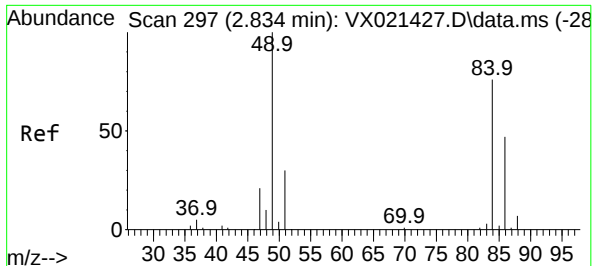
Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
58 25.6 27.8 41.8#



#18
Methyl Acetate
Concen: 0.28 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Tgt Ion: 43 Resp: 298
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.35 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.005 min

Lab File: VX021681.D

Acq: 31 Mar 2021 13:48

Tgt Ion: 84 Resp: 247

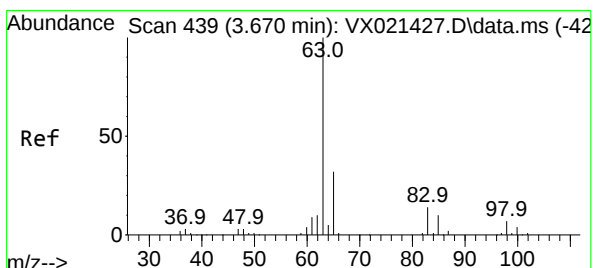
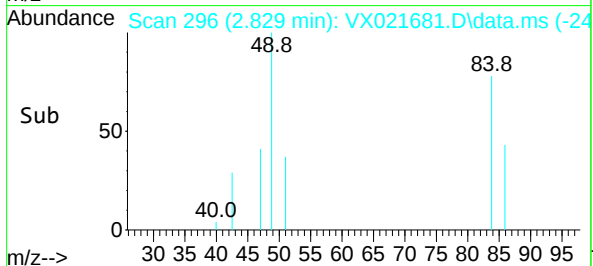
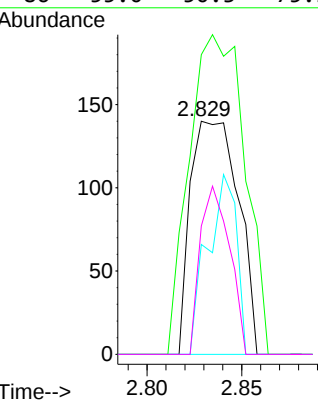
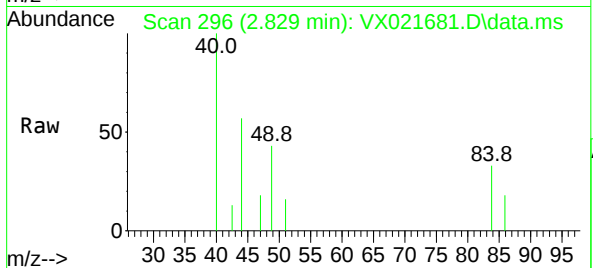
Ion Ratio Lower Upper

84 100

49 128.6 88.6 132.8

51 47.1 27.0 40.6#

86 55.0 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.54 ug/l

RT: 3.664 min Scan# 438

Delta R.T. -0.006 min

Lab File: VX021681.D

Acq: 31 Mar 2021 13:48

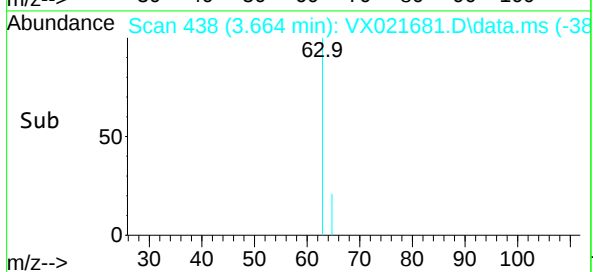
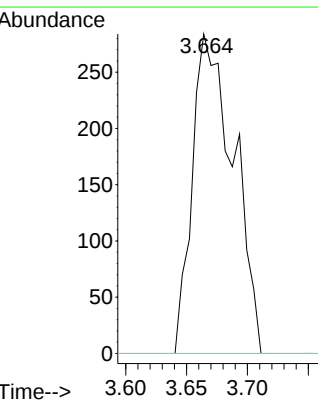
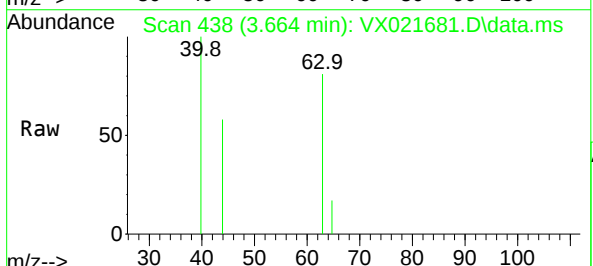
Tgt Ion: 63 Resp: 668

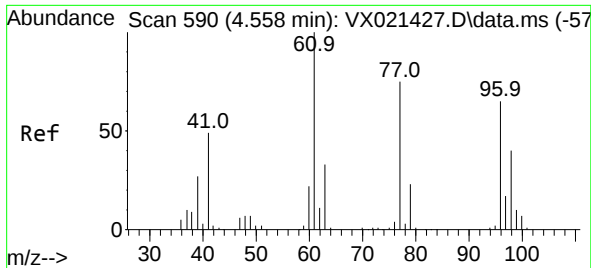
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.95 ug/l

RT: 4.570 min Scan# 592

Delta R.T. 0.012 min

Lab File: VX021681.D

Acq: 31 Mar 2021 13:48

Tgt Ion: 96 Resp: 1462

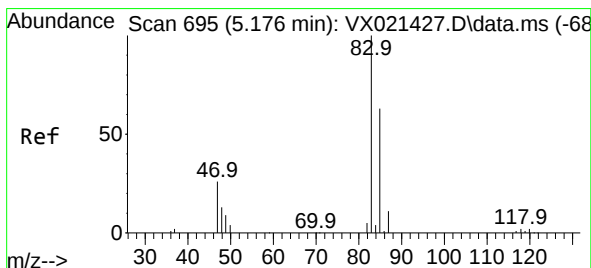
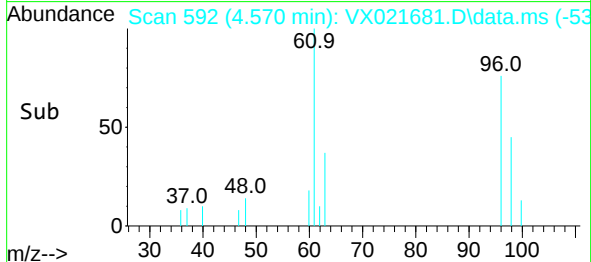
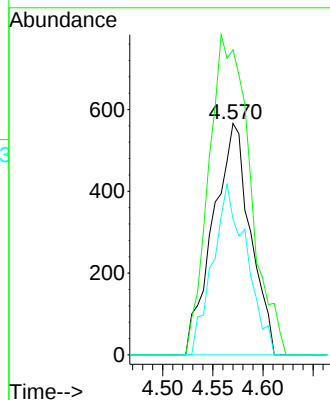
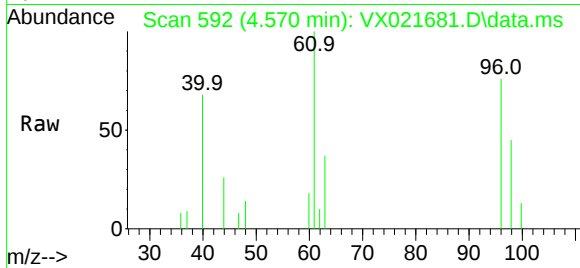
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	285.6
98	67.3	0.0	129.6

Instrument :

MSVOA_X

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#30

Chloroform

Concen: 0.63 ug/l

RT: 5.176 min Scan# 695

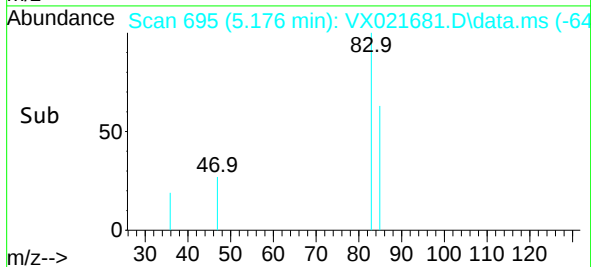
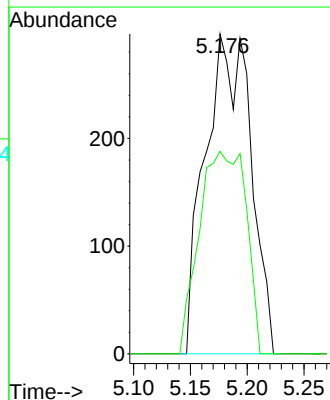
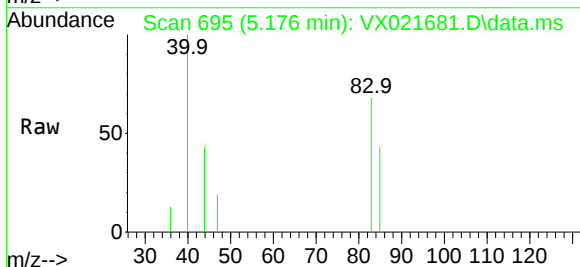
Delta R.T. 0.000 min

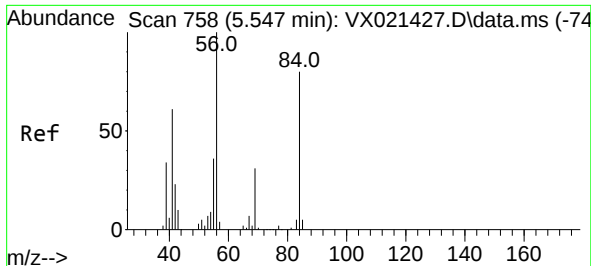
Lab File: VX021681.D

Acq: 31 Mar 2021 13:48

Tgt Ion: 83 Resp: 832

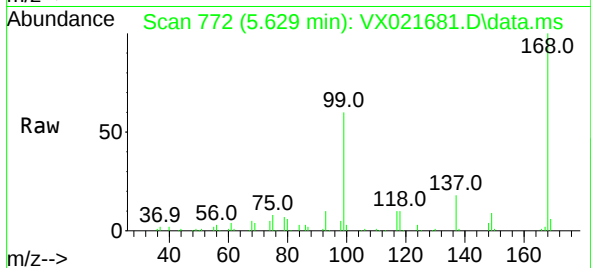
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.0	78.0



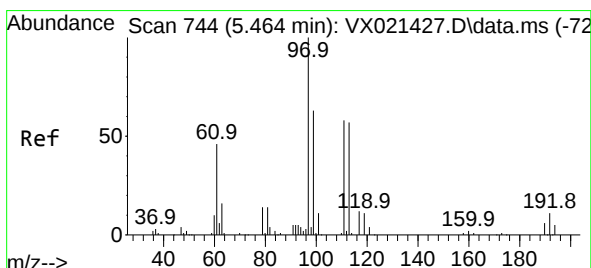
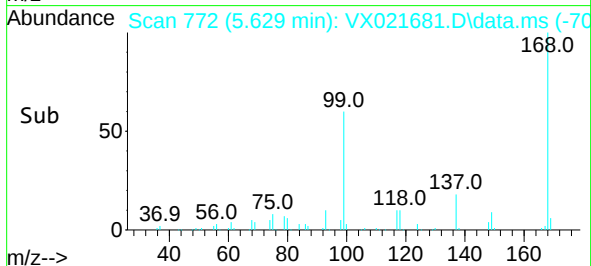
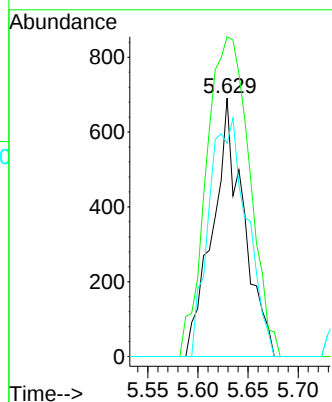


#31
Cyclohexane
Concen: 1.39 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Instrument :
MSVOA_X
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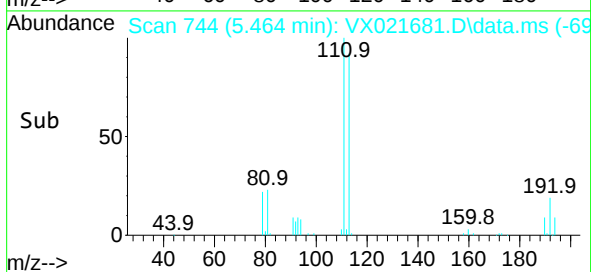
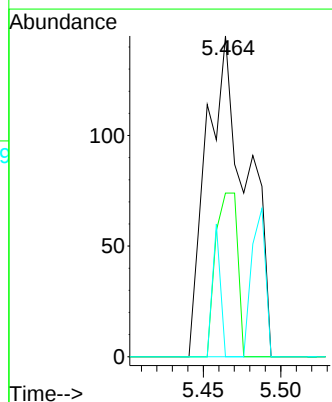
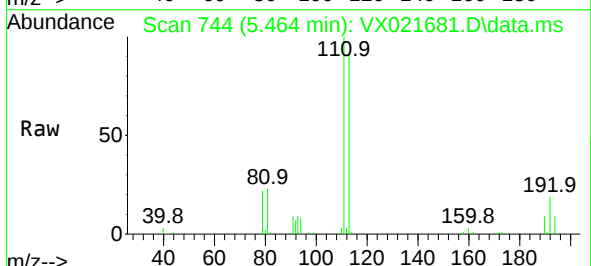


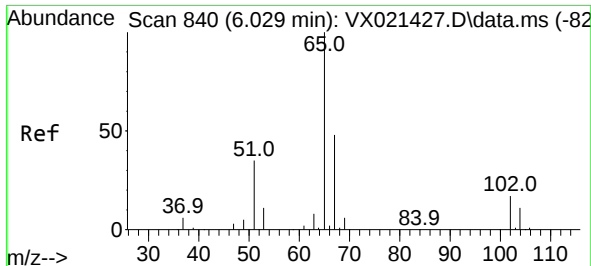
Tgt Ion: 56 Resp: 1483
Ion Ratio Lower Upper
56 100
69 123.7 25.3 37.9#
84 82.5 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.22 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Tgt Ion: 97 Resp: 262
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 0.0 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 51.30 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021681.D

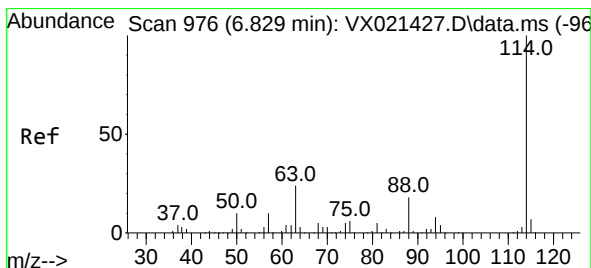
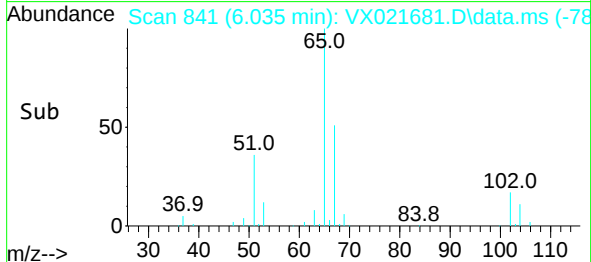
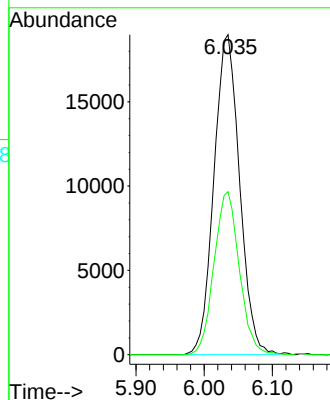
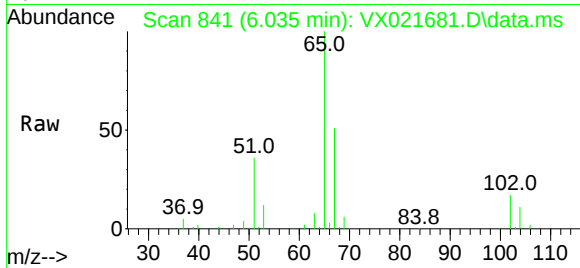
Acq: 31 Mar 2021 13:48

Tgt Ion: 65 Resp: 49737

Ion Ratio Lower Upper

65 100

67 50.1 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021681.D

Acq: 31 Mar 2021 13:48

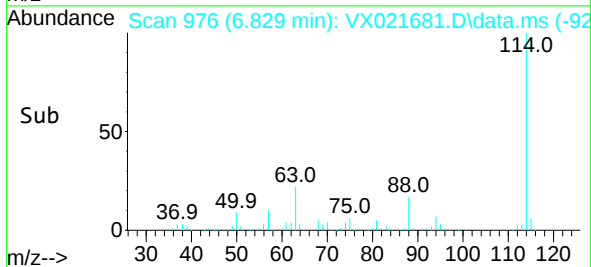
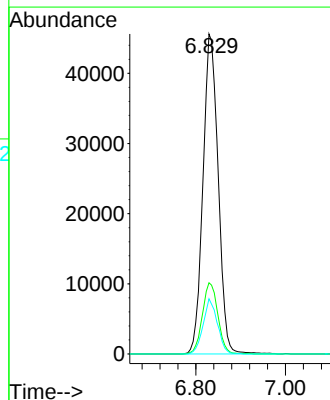
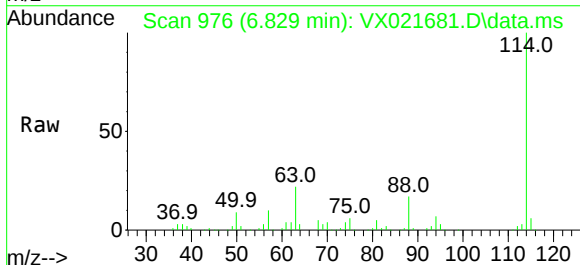
Tgt Ion: 114 Resp: 107418

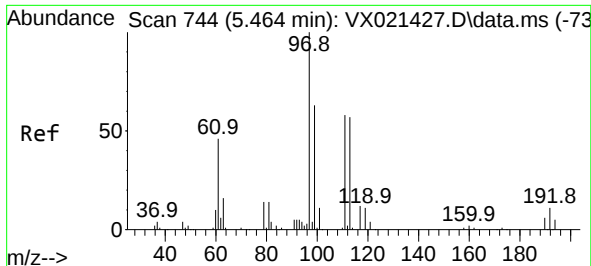
Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.8

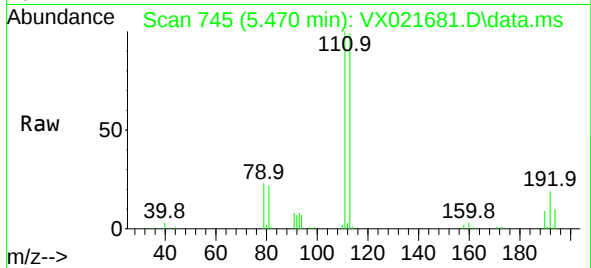
88 17.3 0.0 32.8



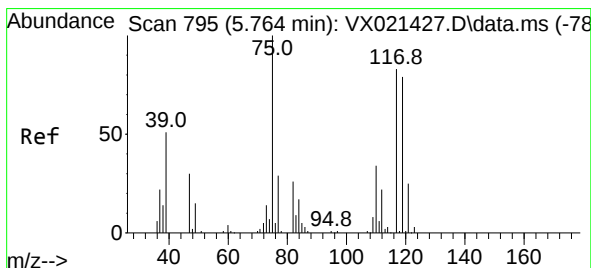
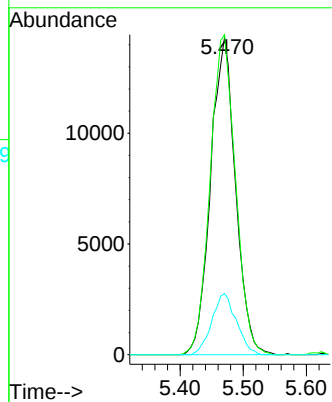
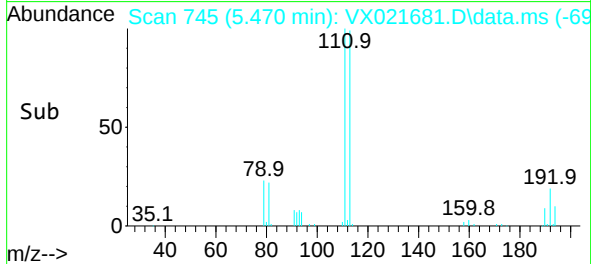


#35
Dibromofluoromethane
Concen: 51.40 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

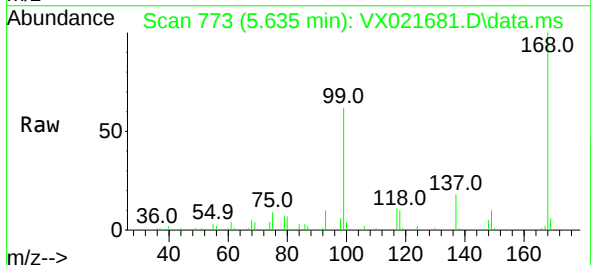
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324



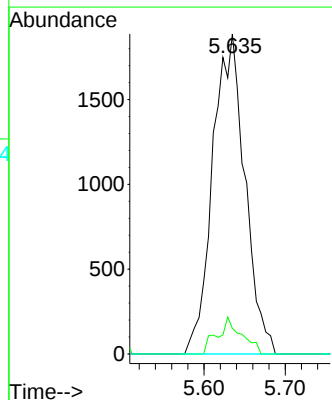
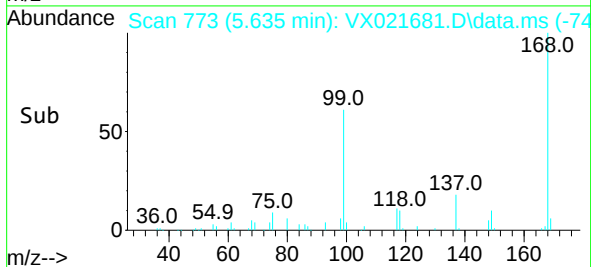
Tgt Ion:113 Resp: 39217
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 19.0 16.7 25.1

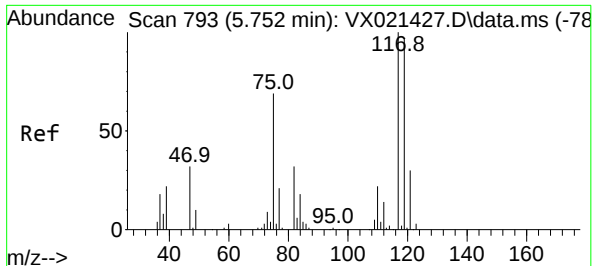


#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.129 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48



Tgt Ion: 75 Resp: 5187
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#

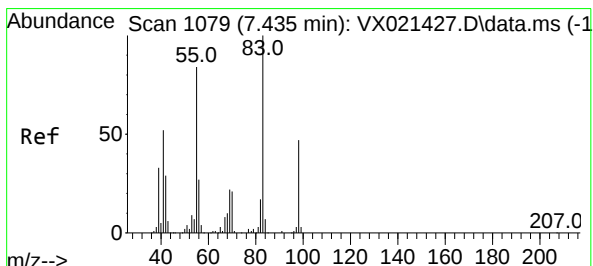
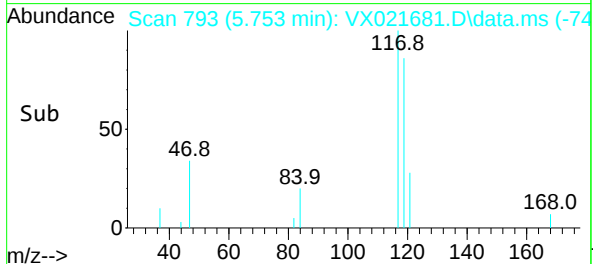
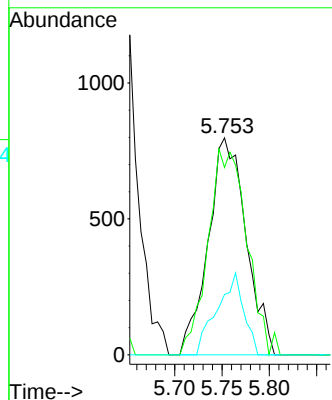
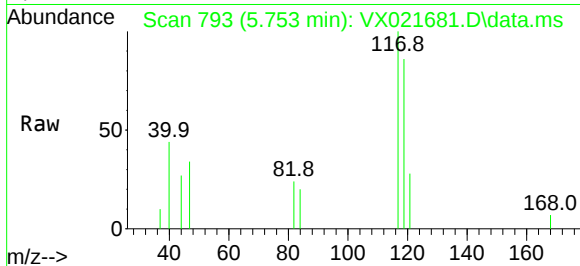




#38
Carbon Tetrachloride
Concen: 1.96 ug/l
RT: 5.753 min Scan# 793
Delta R.T. 0.001 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

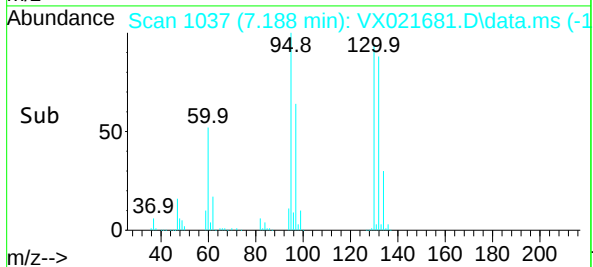
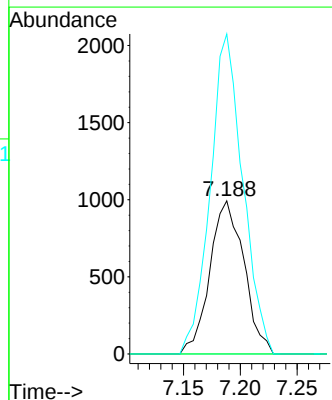
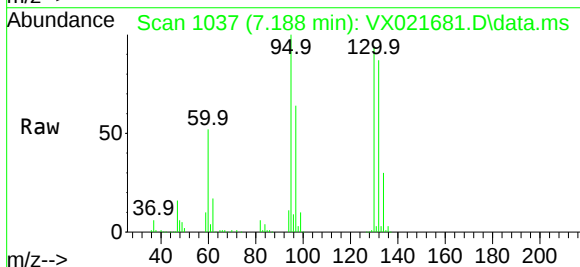
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324

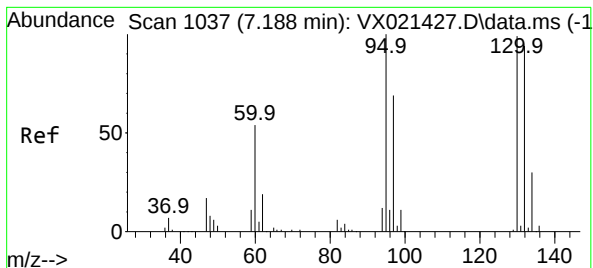
Tgt Ion:117 Resp: 2219
Ion Ratio Lower Upper
117 100
119 86.3 76.2 114.2
121 27.8 24.8 37.2



#39
Methylcyclohexane
Concen: 1.78 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Tgt Ion: 83 Resp: 2076
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 209.0 38.1 57.1#





#44

Trichloroethene

Concen: 190.37 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VX021681.D

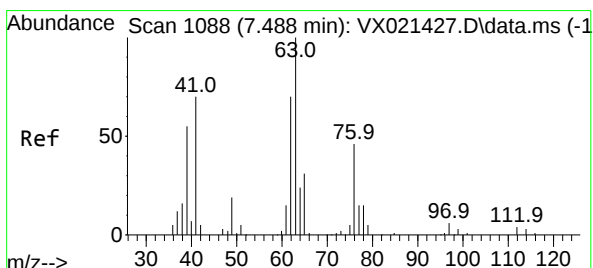
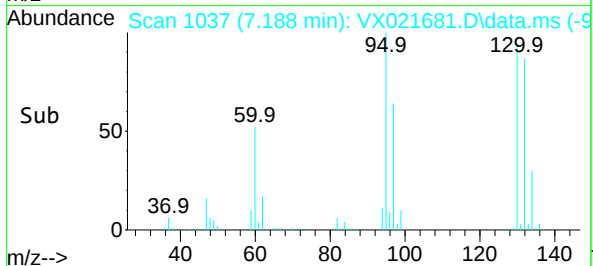
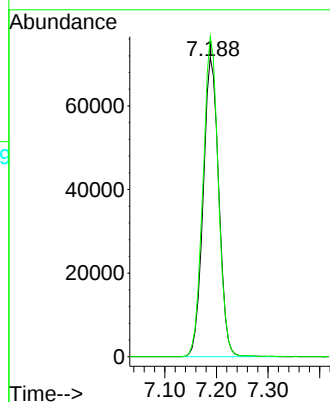
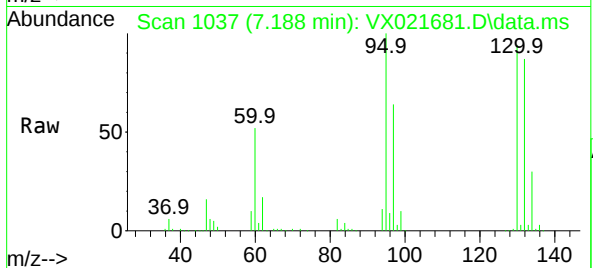
Acq: 31 Mar 2021 13:48

Tgt Ion:130 Resp: 150147

Ion Ratio Lower Upper

130 100

95 106.9 0.0 198.0



#45

1,2-Dichloropropane

Concen: 0.23 ug/l

RT: 7.500 min Scan# 1090

Delta R.T. 0.012 min

Lab File: VX021681.D

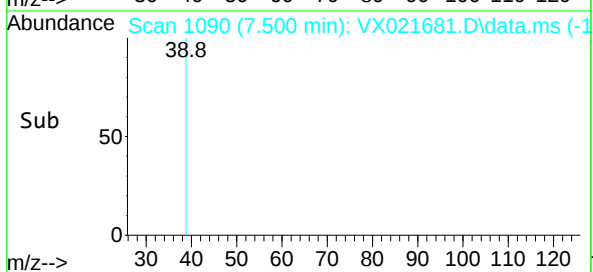
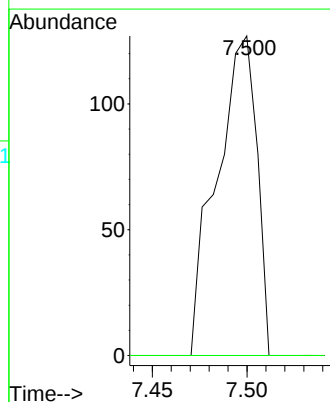
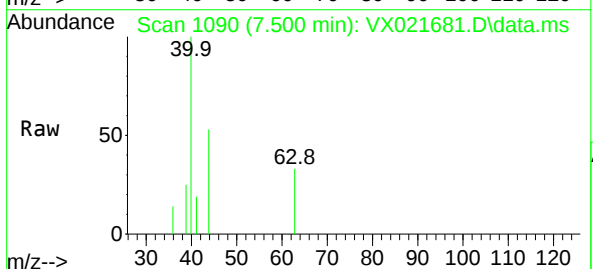
Acq: 31 Mar 2021 13:48

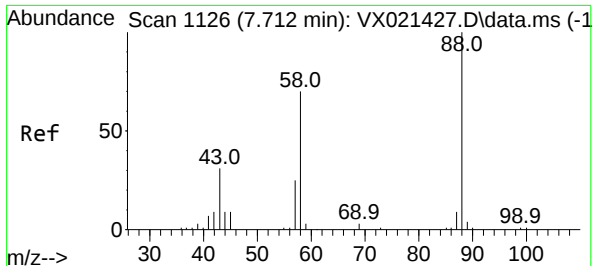
Tgt Ion: 63 Resp: 187

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#

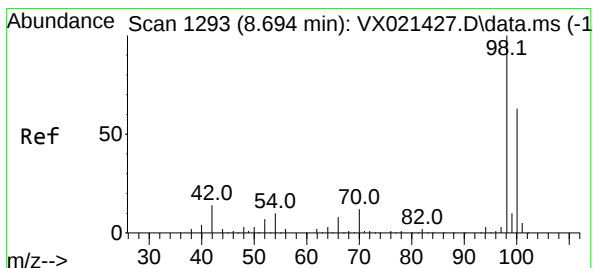
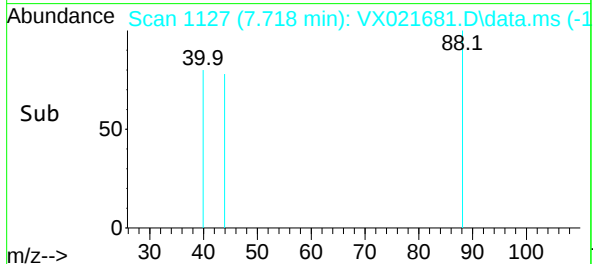
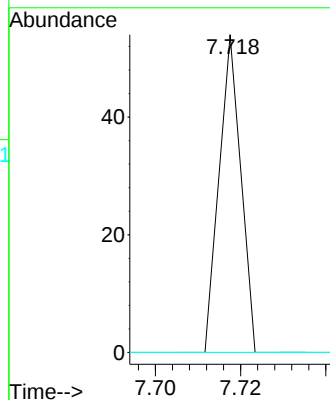
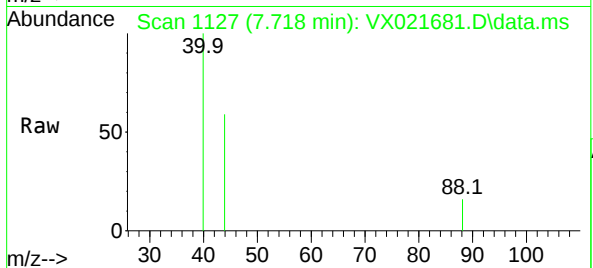




#49
1,4-Dioxane
Concen: 1.01 ug/l
RT: 7.718 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

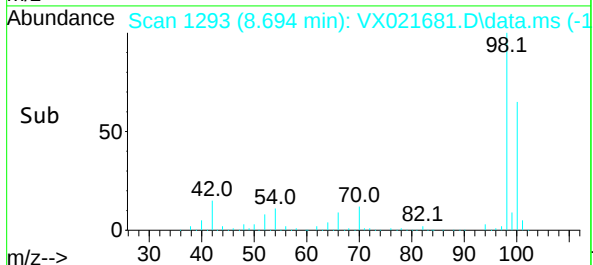
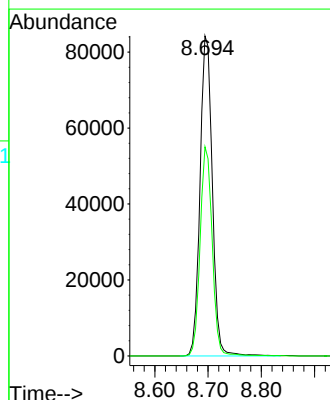
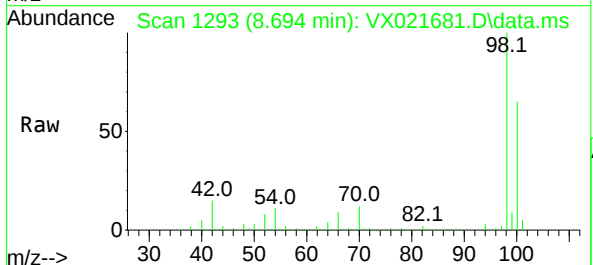
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324

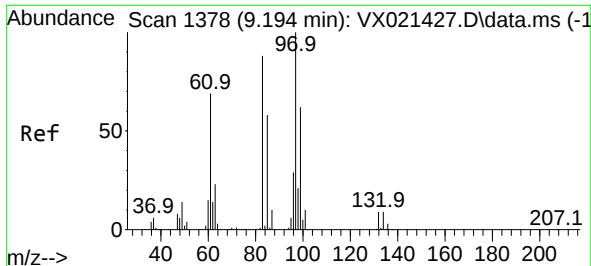
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 49.60 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

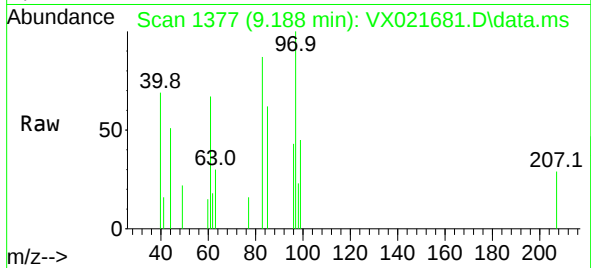
Tgt Ion: 98 Resp: 134866
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



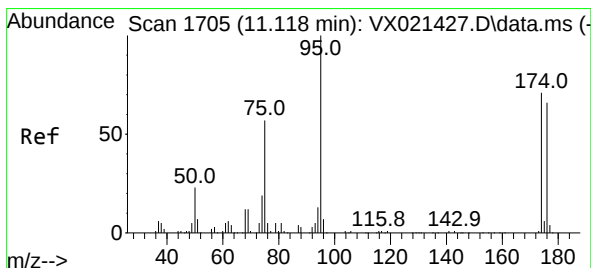
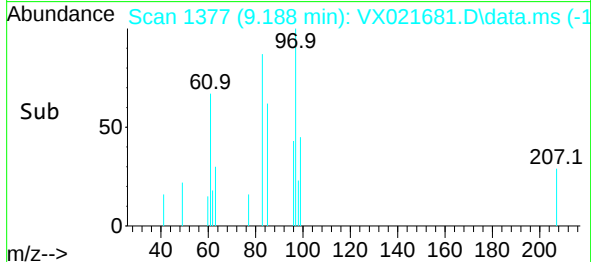
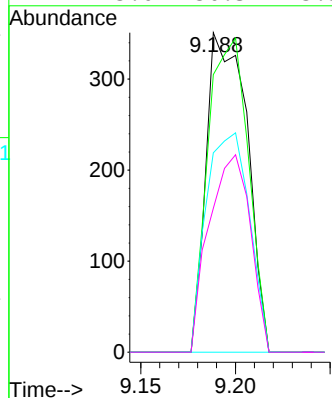


#55
1,1,2-Trichloroethane
Concen: 0.67 ug/l
RT: 9.188 min Scan# 1377
Delta R.T. -0.006 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324

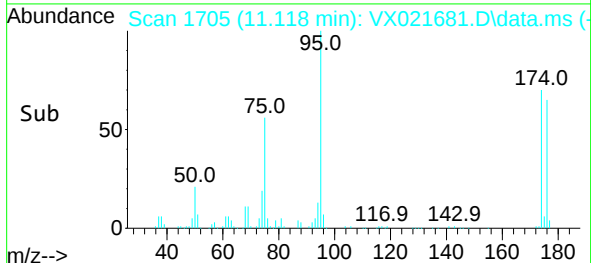
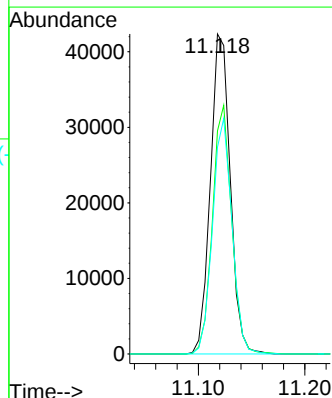
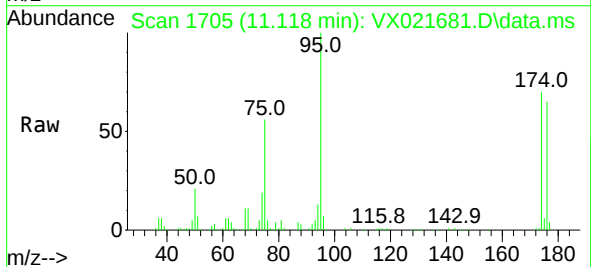


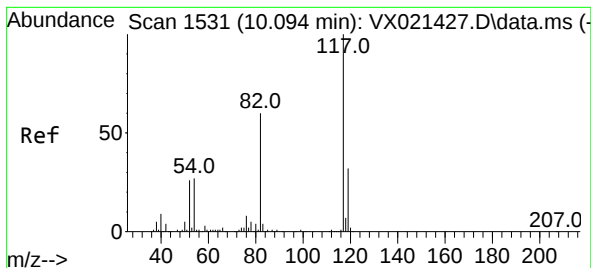
Tgt Ion:	97	Resp:	523
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.3	103.9
85	62.4	44.3	66.5
99	45.0	50.3	75.5#



#62
4-Bromofluorobenzene
Concen: 51.88 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Tgt Ion:	95	Resp:	54839
Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	154.6
176	72.2	0.0	155.8

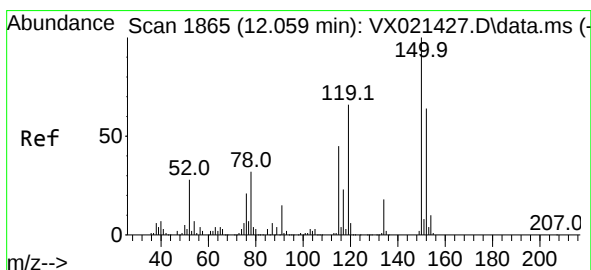
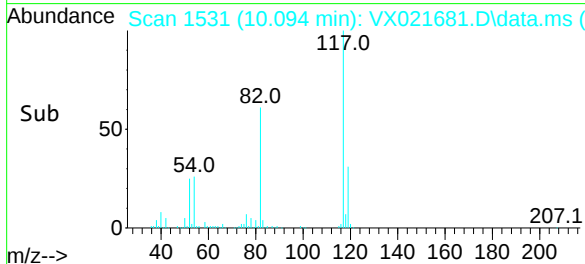
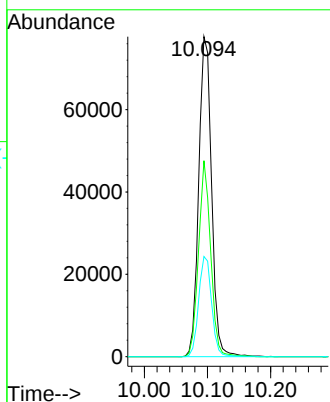
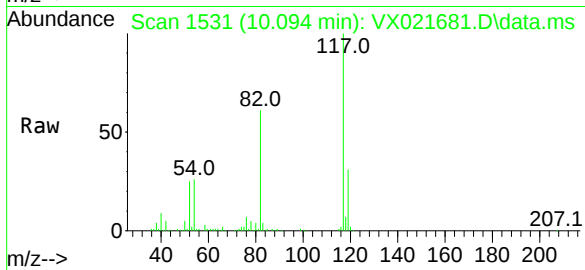




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

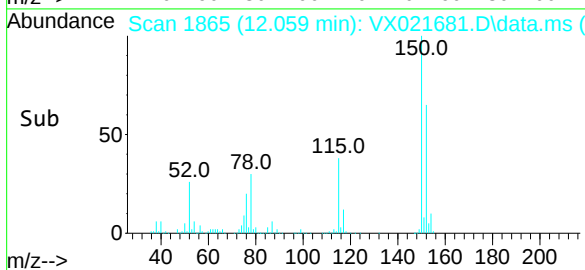
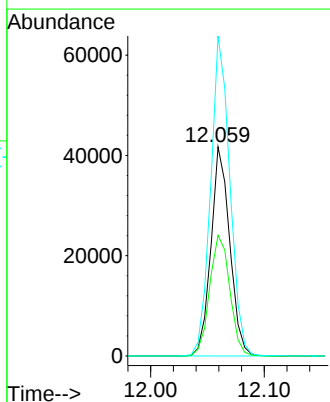
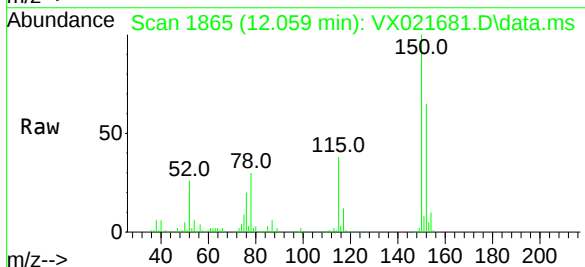
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324

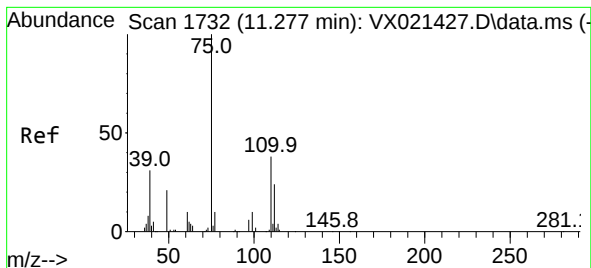
Tgt Ion:117 Resp: 109942
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Tgt Ion:152 Resp: 47946
Ion Ratio Lower Upper
152 100
115 61.8 41.1 123.3
150 156.6 0.0 349.0

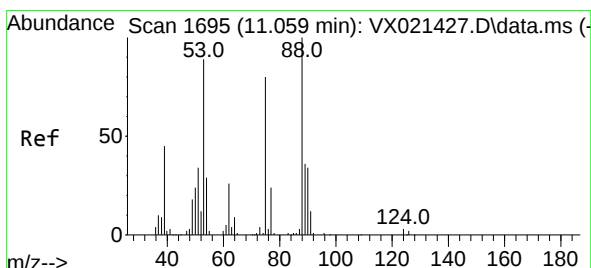
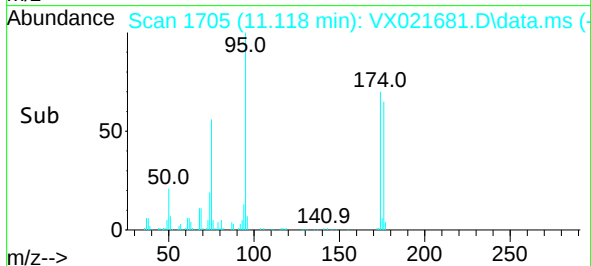
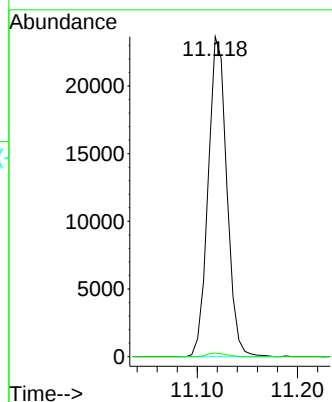
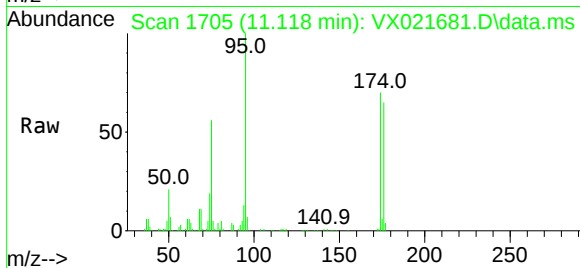




#76
1,2,3-Trichloropropane
Concen: 27.41 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210324

Tgt Ion: 75 Resp: 30591
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.48 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021681.D
Acq: 31 Mar 2021 13:48

Tgt Ion: 75 Resp: 30591
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

